|             | Index of Claims |                  |          |              |                |          |         |              |       |         |                 |              | *         | Application No. |         |           |          |                 |           |         |        |              |             | Applicant(s)    |                     |              |              |              |           |          |   |
|-------------|-----------------|------------------|----------|--------------|----------------|----------|---------|--------------|-------|---------|-----------------|--------------|-----------|-----------------|---------|-----------|----------|-----------------|-----------|---------|--------|--------------|-------------|-----------------|---------------------|--------------|--------------|--------------|-----------|----------|---|
|             |                 |                  |          |              |                |          |         |              |       |         |                 | 09/200,985   |           |                 |         |           |          |                 |           |         |        | KIM ET AL.   |             |                 |                     |              |              |              |           |          |   |
|             |                 |                  |          |              |                |          |         |              |       |         | E               | Examiner     |           |                 |         |           |          |                 |           |         |        | rt U         |             |                 |                     |              |              |              |           |          |   |
|             |                 |                  |          |              |                |          |         |              |       |         | Maikhanh Nguyen |              |           |                 |         |           |          |                 |           |         | 176    |              |             |                 |                     |              |              |              |           |          |   |
|             |                 |                  |          |              |                |          | _       |              |       |         |                 |              |           |                 |         |           | _        |                 |           |         |        |              |             |                 |                     |              |              |              |           |          |   |
|             |                 | <b>\</b>         | R        | Rejected     |                |          |         |              |       | _ [ _   | (T              | hrou         | ıgh n     | ume             | ral)    | al)       |          |                 | No        | n-E     | lec    | ted          |             |                 |                     | Δ.           | pe           | al           |           |          |   |
|             |                 | Ľ                |          |              |                |          |         |              |       | $\perp$ |                 | C            | ancel     | led             |         |           |          | N               |           |         |        |              |             | Α               |                     |              | -pc          | - u          |           |          |   |
|             |                 | =                | A        | Allowe       |                |          |         |              | +     | .       |                 | Restricted   |           |                 |         |           |          | ı               | Interfere |         | rer    | ıce          |             | 0               | Objected            |              |              |              |           |          |   |
|             |                 |                  | L        |              |                |          | ╛       |              | L     |         |                 |              |           |                 |         |           | l        |                 |           |         |        |              |             | Ш               |                     |              |              |              |           |          |   |
| Cla         | aim             |                  | Date     |              |                | te       | 3       |              |       | ]       | Cla             | Claim        |           |                 | D       | ate       | )        |                 |           |         | Cla    | aim          | ļ,          | Date            |                     |              |              | . , .        | ]         |          |   |
| <del></del> | la l            | 92               |          |              |                |          |         | 1            |       |         |                 | _            | la l      |                 |         |           |          |                 |           |         |        | _            | <u>la l</u> |                 |                     |              |              |              |           |          |   |
| Final       | Original        | 5/30/02          |          |              |                |          |         |              |       |         |                 | Final        | Original  |                 | ł       |           |          |                 |           |         |        | Final        | Original    |                 |                     |              |              |              |           |          |   |
|             |                 | $ldsymbol{oxed}$ | L        | _            | ļ              | _        | $\bot$  | $\downarrow$ | +     | $\bot$  | ñ I             |              |           |                 | _       |           | _        | $\Box$          | _         | -       |        |              |             | $\sqcup$        | 4                   | _            | 4            | $\perp$      | $\sqcup$  | _        |   |
|             | 2               | <b>√</b>         | -        | -            | ╁              | ┢        | ╁       | ╁            | +     | +       | ┨               | <u> </u>     | 51<br>52  | _               | +       | +         | $\dashv$ | $\dashv$        | +         | ╁       | 0      |              | 101<br>102  | $\vdash$        | _                   | +            | +            | +            | ++        |          | ┨ |
|             | 3               | =                |          |              |                |          |         |              | T     |         | 1               |              | 53        |                 |         |           |          | $\Box$          |           |         |        |              | 103         |                 | $\Box$              | 丰            |              | 上            |           |          | 1 |
|             | 5               | = 7              | <u> </u> | $\vdash$     | $\vdash$       | ⊢        | +       | +            | +     | +       | -               | <u> </u>     | 54        | $\perp$         | +       | $\prod$   | _        | $\Box$          | $\perp$   | +-      |        | ļ            | 104         |                 | $\perp$             | $\perp$      |              | 1            | $\prod$   | 4-       | 1 |
|             | 6               | <b>√</b>         |          | <del> </del> | <del>  -</del> | $\vdash$ | +       | +            | +     | +       | ۱ ٬             | -            | 55<br>56  | +               | +       | ++        | $\dashv$ | $\dashv$        | +         | +       |        | <b> </b>     | 105<br>106  |                 |                     | +            | +            | +            | +         |          | 1 |
|             | 7               | Ì                |          |              |                |          | $\perp$ | I            | T     | 工       | ]               |              | 57        |                 |         |           |          |                 | $\perp$   | $\perp$ |        |              | 107         | П               |                     | 丄            |              |              |           |          | ] |
|             | 8               | <u> </u>         | <u> </u> | $\vdash$     | $\vdash$       | ⊢        | +       | +            | +     | +       | -               | <u> </u>     | 58<br>59  | +               | +       | $\vdash$  | $\dashv$ | $\dashv$        | +         | +       |        |              | 108<br>109  | $\sqcup$        | +                   | +            | +            | +            | $\dashv$  |          | - |
|             | 10              | H                | $\vdash$ | <del> </del> | $\vdash$       | $\vdash$ | +       | +            | +     | +       | . 1             |              | 60        | +               | +       | +         | $\dashv$ | $\dashv$        | +         | +       |        |              | 110         | H               | $\dashv$            | +            | +            | +            | +         | +        | 1 |
|             | 11              |                  |          |              |                |          |         |              | ļ     | Ţ       |                 |              | 61        |                 |         | П         | $\Box$   |                 |           |         |        |              | 111         |                 |                     |              |              |              |           |          | 1 |
|             | 12              | -                | _        | _            | -              | ┝        | ╀       | +            | +     | +-      | ╣.              |              | 62<br>63  | +               | +       | $\vdash$  | -        |                 | +         | +       |        |              | 112<br>113  | $\vdash$        | +                   |              | +            | +            | $\vdash$  |          | - |
|             | 14              | ļ                |          |              |                | -        | ╁       | ╁            | +     | ╁       | ┧.              | 1            | 64        | _               | +       | ++        | $\dashv$ | $\dashv$        | +         | +       | 1      |              | 114         | $\vdash$        | $\dashv$            | +            | +            | +            | 11        | +        | 1 |
|             | 15              |                  |          |              | L              | L        | $\perp$ | $\bot$       | 1     | 1       | ]               | L            | 65        |                 | $\bot$  | П         |          | $\Box$          |           |         |        |              | 115         |                 |                     |              |              |              | П         |          |   |
|             | 16<br>17        | -                | -        | -            | ├-             | ┞        | ╁       | +            | +     | +-      | -               | -            | 66<br>67  | +               | ╁       | ++        | -        | H               | +         | +       |        |              | 116<br>117  |                 | $\dashv$            | -            | +            | +            | +-+       | +        | - |
|             | 18              |                  |          |              |                |          |         |              |       |         | 1               |              | 68        |                 |         |           |          |                 |           |         | : -, ' |              | 118         |                 |                     |              | İ            | İ            |           |          | ] |
|             | 19<br>20        |                  |          | _            | ├-             | ├        | $\perp$ | +            | +     | +       | 4               |              | 69<br>70  | 4               | _       | $\bot$    | _        |                 | _         | - -     | 0      |              | 119         |                 | 4                   | _            | _            | $\perp$      | Н         | _        | - |
|             | 21              | 十                | -        |              | $\vdash$       | $\vdash$ | +       | +            | +     | +-      | ╣               |              | 71        | +               | +       | $\forall$ | $\dashv$ | $\vdash$        | +         | +       | ~      |              | 120<br>121  | H               | +                   | +            | ╁            | ╁            | 1.1       | +        | 1 |
|             | 22              |                  |          |              |                | L        | İ       | I            | I     | I       | ] ,             |              | 72        |                 |         |           |          |                 |           |         | 17     |              | 122         |                 |                     |              |              |              |           |          | 1 |
|             | 23<br>24        | -                | ļ.,      | _            | ├-             | ╀        | ╀       | +            | +     | +       | +               | <u> </u>     | 73<br>74  | -               | +-      | -         | -        | $\vdash$        | _         | -       | -      |              | 123<br>124  | <b> </b>        | -                   | +            | +            | +            | $\vdash$  | _        | - |
|             | 25              | H                | H        |              | $\vdash$       | ┢        | ╁       | ╁            | +     | +       | 1               | -            | 75        | +               | +       | H         | ᅥ        | $\vdash$        | +         | ╁       | t      |              | 125         | H               | $\dashv$            | +            | +            | ╁            | ++        | $\dashv$ | 1 |
|             | 26              |                  |          |              |                |          | ļ       | $\perp$      | 1     |         | ]               |              | 76        |                 | #       |           |          |                 | 1         |         |        |              | 126         |                 |                     | 1            |              |              |           |          | ] |
| _           | 27<br>28        | ├                | <u> </u> | -            | $\vdash$       | ┝        | +       | +            | +-    | +       | -               |              | 77<br>78  | +               | +       | H         | -        | $\vdash \vdash$ |           | +       | { . '  |              | 127<br>128  | Н               | $\dashv$            | -            | +            | +            | +         | +        | - |
|             | 29              |                  |          |              |                |          | 士       | $\pm$        | 士     | 士       | J .             |              | 79        |                 | 1       |           |          |                 |           | 1       | 1      |              | 129         |                 | $\exists^{\dagger}$ | $\pm$        | 士            | $\pm$        |           |          | 1 |
|             | 30              | L                |          |              | $\Box$         |          | $\bot$  | Ţ            | Ţ     | T       | ],              |              | 80        | $\Box$          | Ţ       |           | $\Box$   |                 |           |         |        |              | 130         |                 | 7                   | Ţ            | Ţ            | Ţ            | $\Box$    | $\Box$   | ] |
|             | 31<br>32        | <u> </u>         | -        | -            | ╁              | $\vdash$ | +       | ╁            | +     | +       | ┨.              | <del> </del> | 81<br>82  |                 | +       | +         | $\dashv$ | $\dashv$        | +         | +-      | 1      |              | 131<br>132  | $\vdash$        | $\dashv$            | +            | +            | +            | +         | +        | 1 |
|             | 33              |                  |          |              |                | I        | T       | $\downarrow$ |       | 丰       | ]               |              | 83        |                 | 丰       |           |          |                 | 丰         |         | 1      |              | 133         |                 |                     | $\downarrow$ | $\perp$      | $\downarrow$ |           | $\perp$  | 1 |
|             | 34<br>35        | <u> </u>         | _        |              | <del> </del>   | ┞        | ╀       | +            | +     | +       | -               | -            | 84<br>85  |                 | +       | +         |          | $\vdash \vdash$ | +         | $\perp$ |        | ļ            | 134<br>135  | Н               | $\dashv$            | +            | +            | +            | +         | $\perp$  | - |
|             | 36              | $\vdash$         | $\vdash$ | $\vdash$     | $\vdash$       | $\vdash$ | +       | +            | +     | +       | +               |              | 86        | +               | +       | ++        |          | $\vdash$        | +         | +       | 1      |              | 135         | Н               | +                   | +            | +            | +            | +         | +        | 1 |
|             | 37              |                  |          |              |                |          |         | I            | 1     | T       |                 |              | 87        |                 | 1       | $\Box$    |          |                 |           |         | 1.     |              | 137         |                 | $\dashv$            | #            | $\perp$      | I            |           |          | 1 |
|             | 38<br>39        | $\vdash$         |          | $\vdash$     | $\vdash$       | ├-       | +       | +            | +     | +       | ┨ .             |              | 88<br>89  |                 | +       | +         | -        | $\vdash \vdash$ | +         | +       |        | ļ            | 138<br>139  | Н               | $\dashv$            | +            | +            | +            | +         | +        | ┨ |
|             | 40              | 上                |          | E            |                | L        | $\perp$ | $\pm$        | $\pm$ | $\pm$   |                 |              | 90        |                 | 1       |           |          |                 |           | $\perp$ |        |              | 140         | 団               | $\exists$           | +            | $\pm$        |              | $\Box$    | $\pm$    | 1 |
|             | 41              | Г                |          |              |                |          | F       | T            | T     | T       | ]               |              | 91        | $\Box$          | T       | П         | $\Box$   |                 | $\top$    | T       | ]      |              | 141         | П               |                     | 1            | $\downarrow$ | Ţ            | $\square$ | $\perp$  | ] |
|             | 42<br>43        | ├                |          | $\vdash$     | -              | ├        | ╁       | ╁            | +     | +       | $\dashv$        | _            | 92<br>93  |                 | +       | H         | $\dashv$ | $\vdash \vdash$ | +         | +       | -      |              | 142<br>143  | $\vdash$        | +                   | +            | +            | +            | H         | +        | 1 |
|             | 44              |                  |          |              |                | T        |         | 上            |       | $\perp$ | <b>]</b> [ ]    |              | 94        |                 | 士       |           | ╛        |                 | 士         | 士       | 1      |              | 144         |                 |                     | $\perp$      | $\perp$      | $\perp$      |           |          | j |
|             | 45<br>46        |                  |          |              | <u> </u>       | L        | +       | F            | Į.    | $\perp$ |                 |              | 95        | $\bot$          | $\bot$  | $\Box$    |          | $\prod$         | $\perp$   | 1       |        | ļ            | 145         |                 | $\dashv$            | $\bot$       | T            | F            | $\Box$    |          | - |
|             | 45              | $\vdash$         |          | -            | $\vdash$       | $\vdash$ | +       | +            | +     | +       | 1               |              | 96<br>97  | +               | +       | H         | $\dashv$ | $\vdash$        | +         | +       | +      | <del> </del> | 146<br>147  | $\vdash \vdash$ | $\dashv$            | +            | +            | +-           | +         | +        | 1 |
|             | 48              |                  |          |              |                |          |         | $\perp$      |       | 1       | 1               |              | 98        |                 | $\perp$ | 口         |          |                 | $\top$    | I       |        |              | 148         | П               |                     | $\downarrow$ |              |              |           |          | 1 |
|             | 49<br>50        | ļ                | -        | _            | ļ              | 1        | 4       | +            | 4     | +       | -               |              | 99<br>100 | _               | +       | $\Box$    | 4        | $\Box$          | 4         | -       | -      |              | 149<br>150  | $\sqcup$        | $\downarrow$        | 4            | $\perp$      | $\perp$      | $\Box$    |          | - |

Application No.

Applicant(s)